

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-JAN-2011
Start Time of First Product	00:57:38
Stop Time of Last Product	23:07:16
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110102CMEP3097.E2	02-JAN-2011	16:37:30.440
EGOI_110102GSEP2587.E2	02-JAN-2011	01:12:27.716
EGOI_110102GSEP2618.E2	02-JAN-2011	02:40:34.260
EGOI_110102GSEP2646.E2	02-JAN-2011	04:21:46.891
EGOI_110102GSEP2654.E2	02-JAN-2011	06:04:04.022
EGOI_110102KSEP2222.E2	02-JAN-2011	06:22:16.135
EGOI_110102KSEP2240.E2	02-JAN-2011	08:02:04.750
EGOI_110102KSEP2261.E2	02-JAN-2011	09:41:42.866
EGOI_110102KSEP2287.E2	02-JAN-2011	11:21:17.986

EGOI_110102KSEP2311.E2	02-JAN-2011	13:00:30.602
EGOI_110102KSEP2322.E2	02-JAN-2011	14:39:19.210
EGOI_110102KSEP2333.E2	02-JAN-2011	16:17:04.815
EGOI_110102KSEP2361.E2	02-JAN-2011	17:55:06.923
EGOI_110102KSEP2392.E2	02-JAN-2011	19:33:10.535
EGOI_110102KSEP2423.E2	02-JAN-2011	21:13:21.656
EGOI_110102KSEP2449.E2	02-JAN-2011	22:56:17.791
EGOI_110102MAEP1494.E2	02-JAN-2011	08:10:49.801
EGOI_110102MAEP1506.E2	02-JAN-2011	09:49:18.916
EGOI_110102MIEP9526.E2	02-JAN-2011	02:37:08.741
EGOI_110102MIEP9555.E2	02-JAN-2011	04:16:01.852
EGOI_110102MIEP9582.E2	02-JAN-2011	14:57:20.820
EGOI_110102MIEP9611.E2	02-JAN-2011	16:35:49.928
EGOI_110102MSEP2105.E2	02-JAN-2011	00:57:38.130
EGOI_110102MSEP2119.E2	02-JAN-2011	09:57:53.469
EGOI_110102MSEP2143.E2	02-JAN-2011	11:34:24.065
EGOI_110102MSEP2167.E2	02-JAN-2011	13:15:09.688
EGOI_110102MSEP2201.E2	02-JAN-2011	22:43:16.209
EGOI_110102SGEP0575.E2	02-JAN-2011	03:18:17.991
EGOI_110102SGEP0583.E2	02-JAN-2011	05:00:27.622
EGOI_110102SGEP0589.E2	02-JAN-2011	14:15:35.561
EGOI_110102SGEP0596.E2	02-JAN-2011	15:53:09.166

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82095	02-JAN-2011	06:20:27.010	06:22:16.134	109.12400
KS	82096	02-JAN-2011	07:59:32.736	08:02:04.749	152.01300
KS	82097	02-JAN-2011	09:39:09.321	09:41:42.865	153.54400
KS	82098	02-JAN-2011	11:18:42.947	11:21:17.985	155.03800
KS	82099	02-JAN-2011	12:57:55.976	13:00:30.602	154.62600
KS	82100	02-JAN-2011	14:36:40.226	14:39:19.210	158.98400
KS	82101	02-JAN-2011	16:14:20.591	16:17:04.815	164.22400
KS	82102	02-JAN-2011	17:52:14.118	17:55:06.923	172.80500
KS	82103	02-JAN-2011	19:30:50.874	19:33:10.534	139.66000
KS	82104	02-JAN-2011	21:11:13.427	21:13:21.655	128.22800
KS	82105	02-JAN-2011	22:53:56.077	22:56:17.791	141.71400
GS	82093	02-JAN-2011	02:38:34.129	02:40:34.259	120.13000
GS	82094	02-JAN-2011	04:19:45.929	04:21:46.891	120.96200
MS	82098	02-JAN-2011	11:31:39.588	11:34:24.064	164.47600
MS	82099	02-JAN-2011	13:12:35.924	13:15:09.687	153.76300

MS	82105	02-JAN-2011	22:41:05.869	22:43:16.209	130.34000
MA	82096	02-JAN-2011	08:09:14.888	08:10:49.801	94.913000
MA	82097	02-JAN-2011	09:47:12.108	09:49:18.916	126.80800
MI	82093	02-JAN-2011	02:34:44.140	02:37:08.740	144.60000
MI	82094	02-JAN-2011	04:13:37.847	04:16:01.852	144.00500
MI	82100	02-JAN-2011	14:54:58.636	14:57:20.820	142.18400
MI	82101	02-JAN-2011	16:33:21.960	16:35:49.928	147.96800
SG	82093	02-JAN-2011	03:15:37.141	03:18:17.990	160.84900
SG	82094	02-JAN-2011	04:57:53.717	05:00:27.622	153.90500
SG	82099	02-JAN-2011	14:13:23.183	14:15:35.560	132.37700
SG	82100	02-JAN-2011	15:50:29.283	15:53:09.165	159.88200
CM	82101	02-JAN-2011	16:35:57.339	16:37:30.440	93.101000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82091	02-JAN-2011	00:06:25.022	00:21:00.592	875.57000
MM	82091	02-JAN-2011	00:17:40.130	00:28:53.725	673.59500
HO	82092	02-JAN-2011	01:48:58.531	01:58:53.226	594.69500
MM	82092	02-JAN-2011	01:59:54.553	02:09:10.285	555.73200
BE	82093	02-JAN-2011	03:04:32.964	03:17:57.852	804.88800
MM	82093	02-JAN-2011	03:42:55.687	03:49:50.690	415.00300
CM	82093	02-JAN-2011	02:37:11.046	02:41:41.276	270.23000
CM	82093	02-JAN-2011	04:11:58.378	04:24:21.800	743.42200
BE	82094	02-JAN-2011	04:45:15.030	04:54:25.658	550.62800
MM	82094	02-JAN-2011	05:25:41.637	05:31:28.377	346.74000
MM	82095	02-JAN-2011	07:07:09.428	07:14:21.175	431.74700
JO	82095	02-JAN-2011	06:47:35.883	06:58:19.703	643.82000
MM	82096	02-JAN-2011	08:47:45.400	08:57:18.504	573.10400
JO	82096	02-JAN-2011	08:24:11.519	08:39:11.028	899.50900
MM	82097	02-JAN-2011	10:27:59.723	10:39:24.877	685.15400
JO	82097	02-JAN-2011	10:08:17.579	10:14:45.648	388.06900
MM	82098	02-JAN-2011	12:08:00.227	12:20:26.509	746.28200
MA	82098	02-JAN-2011	11:28:24.913	11:36:24.449	479.53600
HO	82099	02-JAN-2011	13:56:25.431	14:10:23.666	838.23500
MM	82099	02-JAN-2011	13:47:46.750	14:00:30.607	763.85700

SG	82099	02-JAN-2011	14:13:23.183	14:22:58.095	574.91200
BE	82100	02-JAN-2011	14:21:13.264	14:34:34.144	800.88000
MM	82100	02-JAN-2011	15:27:17.419	15:39:55.399	757.98000
GS	82100	02-JAN-2011	14:48:22.353	15:00:39.885	737.53200
CM	82100	02-JAN-2011	15:00:41.800	15:04:38.460	236.66000
BE	82101	02-JAN-2011	16:05:11.998	16:11:05.739	353.74100
MM	82101	02-JAN-2011	17:06:32.529	17:19:04.115	751.58600
GS	82101	02-JAN-2011	16:27:22.182	16:41:01.779	819.59700
MM	82102	02-JAN-2011	18:45:40.534	18:58:16.895	756.36100
GS	82102	02-JAN-2011	18:08:09.439	18:16:43.417	513.97800
JO	82102	02-JAN-2011	19:07:49.977	19:16:08.745	498.76800
MM	82103	02-JAN-2011	20:25:00.305	20:37:44.203	763.89800
MA	82103	02-JAN-2011	19:27:03.330	19:36:24.603	561.27300
JO	82103	02-JAN-2011	20:44:14.170	20:59:15.809	901.63900
MM	82104	02-JAN-2011	22:04:55.457	22:17:27.859	752.40200
MA	82104	02-JAN-2011	21:03:00.741	21:16:26.905	806.16400
JO	82104	02-JAN-2011	22:25:28.736	22:35:15.633	586.89700
HO	82105	02-JAN-2011	23:35:21.111	23:49:44.161	863.05000
MM	82105	02-JAN-2011	23:45:45.442	23:57:25.891	700.44900

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1.5 - List of corrupted products

Station	Orbit	Time
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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	OK

Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

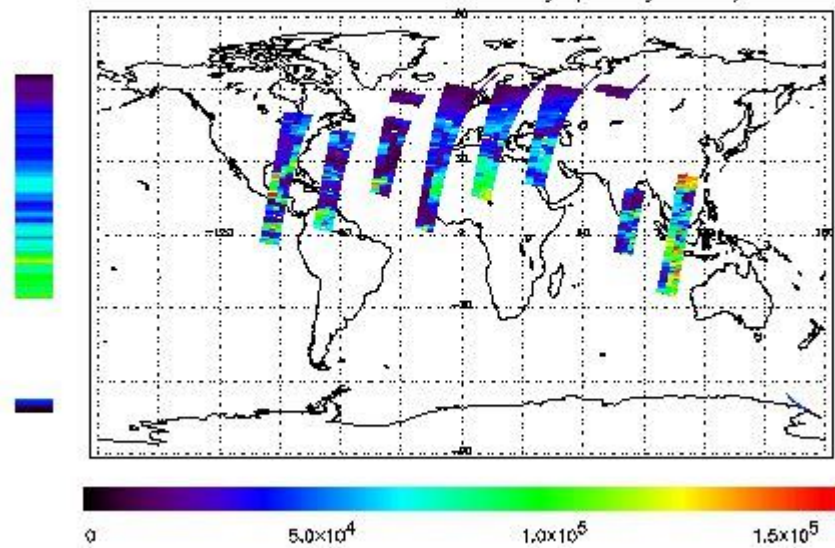
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

First Product : 02-JAN-2011 00:57:38.130 : ORBIT : 82092.0441
 Last Product : 02-JAN-2011 23:07:16.353 : ORBIT : 82105.2613
 Total Products Processed : 14508 Day : 2 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

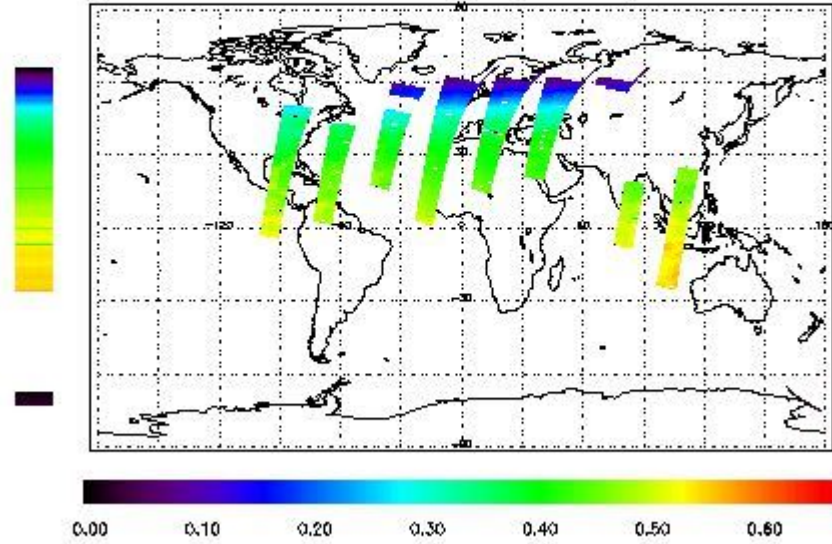


Ozone Line Ratio

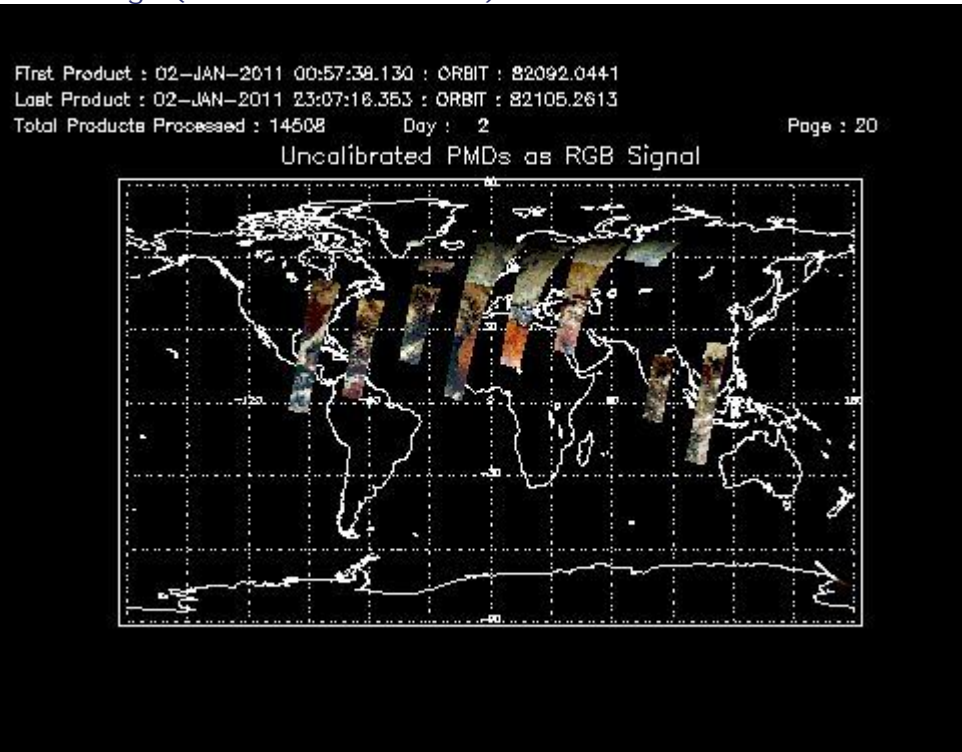
First Product : 02-JAN-2011 00:57:38.130 : ORBIT : 82092.0441
 Last Product : 02-JAN-2011 23:07:16.353 : ORBIT : 82105.2613
 Total Products Processed : 14508 Day : 2

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	13:08:00.640	--	82099	Yes	--	15684

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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5 - Instrument Operations

[Additional Info](#)

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
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(1) The Solar/lamp calibration is carried out routinely or after an instrument switch-off or a power cycle (performed to reset the instrument when abnormal values are observed); in the latter cases the coolers are off and the temperature refers to the warm detectors